

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

Please amend the claims as follows:

1. (Currently Amended) A system for providing a simultaneous ring service for a subscriber, the system comprising:

a means for detecting a first terminating trigger specific to the service in response to an incoming communication to a wired terminal having a first identifier and associated with the subscriber from a calling party, wherein the first terminating trigger is associated with the first identifier;

a means for:

determining, in response to a detection of the first terminating trigger, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available comprises,

determining whether the wired terminal is available,

determining whether the wireless terminal is available, [[and]]

determining whether the wireless terminal has a voice messaging system in response to determining that the wireless terminal is available, [[and]]

determining if a calling party number matches a stored subscriber wireless number, wherein if the calling party number matches the

subscriber wireless number the wireless terminal is deemed unavailable and if the calling party number does not match the wireless number the wireless terminal is deemed available, and

determining if the subscriber currently has the simultaneous ring service activated, wherein if the service is not currently activated, the wireless terminal is deemed unavailable and if the service is currently activated, the wireless terminal is deemed available; and

a means for placing a first outgoing communication and a second outgoing communications communication in response to a determination that both the wired terminal and the wireless terminal are available, wherein the first outgoing communication comprises a wireless call indication digit appended to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not available to the means for placing the first outgoing communication and the second outgoing communication, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier and associating a wireless call indication digit with the first outgoing communication in response to the determination that both the wired terminal and the wireless terminal are available,

wherein the means for detecting the first terminating trigger associated with the service is further operative for routing the second outgoing communication to the wired terminal and for detecting a second terminating trigger associated with the wireless terminal in response to the first outgoing communication,

wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available, in response to a detection of the second terminating trigger and the wireless call indication digit associated with the first outgoing communication, is further operative for interrogating [[a]] the associated database for [[a]] the second identifier associated with the wireless terminal and causing the first outgoing communication to be routed to the wireless terminal, wherein the second outgoing communication is configured to be placed a predetermined time period after placing the first outgoing communication, and

wherein, if the wireless terminal is determined to have the voice messaging system, the second outgoing communication is configured to be placed before the first outgoing communication is answered by the voice messaging system.

2. (Currently Amended) The system of claim 1, wherein the means for placing the first outgoing communication and the second outgoing communications communication is further operative for:

connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and

connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

3. (Currently Amended) The system of claim 2, wherein the means for placing the first outgoing communication and the second outgoing communications communication is further operative for:

dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and

dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

4. (Currently Amended) The system of claim 3, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available includes [[an]] the associated database storing the second identifier associated with the wireless terminal, and ~~wherein the means for placing first and second outgoing communications is not operative for storing the second identifier associated with the wireless terminal.~~

5. (Cancelled)

6. (Previously Presented) The system of claim 1, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available is for determining whether the wired terminal is available by sending a query message to the means for detecting the first terminating trigger associated with the service requesting a status of the wired terminal.

7. (Previously Presented) The system of claim 6, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available is further operative for determining whether the wireless terminal is available by sending a query message to a home location register requesting the status of the wireless terminal.

8. (Previously Presented) The system of claim 7, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available is further operative for determining that the wireless terminal is available when the home location register does not respond to the query message within a predetermined time period.

9. (Previously Presented) The system of claim 1, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available is further operative for instructing the means for detecting the first terminating trigger associated with the service to route the incoming communication to the wired terminal when the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available determines that at least one of the wired terminal and the wireless terminal are not available.

10. (Currently Amended) A method for providing a simultaneous ring service for a subscriber, the method comprising:

detecting an incoming communication from a calling party to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;

determining, in response to a detection of the incoming communication, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available comprises[[.]]:

determining whether the wired terminal is available,

determining whether the wireless terminal is available, [[and]]

determining whether the wireless terminal has a voice messaging system in response to determining that the wireless terminal is available;

determining if a calling party number matches a subscriber wireless number, wherein a directory number for the wireless terminal is stored at a service control point; and

determining if the subscriber currently has the simultaneous ring service activated;

placing a first outgoing communication and a second outgoing communications communication when both the wired terminal and the wireless terminal are available,wherein the first outgoing communication comprises a wireless call indication digit appended to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal.

wherein the second identifier is not initially available, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier,

wherein placing the first and second outgoing communications includes placing the first outgoing communication a predetermined time period before placing the second outgoing communication ~~and associating a wireless call indication digit with the first outgoing communication~~, and

wherein, if the wireless terminal is determined to have the voice messaging system, the predetermined time period is configured for placing the second outgoing communication before the first outgoing communication is answered by the voice messaging system;

routing the second outgoing communication to the wired terminal;

detecting a second terminating trigger and the wireless call indication digit associated with the wireless terminal in response to the first outgoing communication; and

routing, in response to a detection of the second terminating trigger, the first communication to the wireless terminal.

11. (Previously Presented) The method of claim 10, further comprising:
 - connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and
 - connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the landline telecommunications unit.

12. (Previously Presented) The method of claim 11, further comprising:
dropping the first outgoing communication when the wired terminal is answered
before the wireless terminal; and
dropping the second outgoing communication when the wireless terminal is
answered before the wired terminal.

13. (Cancelled)

14. (Previously Presented) The method of claim 10, wherein determining
whether the wired terminal is available includes sending a query message requesting a
status of the wired terminal.

15. (Previously Presented) The method of claim 14, wherein determining
whether the wireless terminal is available includes sending a query message to a home
location register requesting a status of the wireless terminal.

16. (Previously Presented) The method of claim 15, wherein determining
whether the wireless terminal is available includes determining that the wireless terminal
is available when the home location register does not respond to the query message
within a predetermined time period.

17. (Previously Presented) The method of claim 10, further comprising routing the incoming communication to the wired terminal when it is determined that at least one of the wired terminal and the wireless terminal are not available.

18. (Currently Amended) A system for providing a simultaneous ring service for a subscriber, comprising:

means for detecting an incoming communication from a calling party using a calling party terminal to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;

a means for determining if the subscriber currently has the simultaneous ring service activated;

means for determining, in response to a detection of the incoming communication, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein ~~programmable determination~~ the means for determining whether the wired terminal and the wireless terminal of the subscriber are available comprises[[.]]:

means for determining whether the wired terminal is available,
means for determining whether the wireless terminal is available, [[and]]
means for determining whether the wireless terminal has a voice messaging system in response to determining that the wireless terminal is available; and

means for determining, in response to detection of the incoming communication, whether an identifier associated with the calling party is identical to an identifier of the wireless terminal of the subscriber, the wireless terminal being associated with the wired terminal configured to receive the incoming communication from the calling party wherein the wireless terminal and the calling party terminal are the same terminal when the identifier associated with the calling party is identical to the identifier of the wireless terminal, wherein the identifier of the wireless terminal of the subscriber is stored in a service control point, wherein when the identifier associated with the calling party does not match the identifier of the wireless terminal the wireless terminal is deemed available;

means for placing a first outgoing communication and a second outgoing communications communication when both the wired terminal and the wireless terminal are available and when the calling party identifier is not identical to the wireless terminal identifier, wherein the first outgoing communication comprises a wireless call indication digit appended to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not available to the means for placing the first outgoing communication and the second outgoing communication, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier, and

wherein, if the wireless terminal is determined to have the voice messaging system, a predetermined time period is configured for placing the

second outgoing communication before the first outgoing communication is answered by the voice messaging system;
means for routing the second outgoing communication to the wired terminal;
means for detecting a second terminating trigger and the wireless call indication digit associated with the wireless terminal in response to the first outgoing communication; and
the means for routing, in response to a detection of the second terminating trigger and the wireless call indication digit, further operative for routing the first communication to the wireless terminal.

19. (Previously Presented) The system of claim 18, wherein the means for placing first and second outgoing communications further includes:
means for connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and
means for connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

20. (Currently Amended) The system of claim 19, wherein the means for placing the first outgoing communication and the second outgoing communications communication further includes:

means for dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and

means for dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

21. (Cancelled)

22. (Previously Presented) The system of claim 18, wherein the means for determining whether the wired terminal is available further includes means for sending a query message requesting a status of the wired terminal.

23. (Previously Presented) The system of claim 22, wherein the means for determining whether the wireless terminal is available further includes means for sending a query message to a home location register requesting a status of the wireless terminal.

24. (Previously Presented) The system of claim 23, wherein the means for determining whether the wireless terminal is available further includes means for determining that the wireless terminal is available when the home location register does not respond to the query message within a predetermined time period.

25. (Previously Presented) The system of claim 18, further comprising means for routing the incoming communication to the wired terminal when it is determined that at least one of the wired terminal and the wireless terminal are not available.

26. (Currently Amended) A computer readable medium having stored thereon computer-executable instructions for causing a computer to perform a method of providing a simultaneous ring service for a subscriber, the method comprising:

detecting an incoming communication from a calling party to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;

determining, in response to a detection of the incoming communication, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available comprises[[.]]:

determining whether the wired terminal is available,

determining whether the wireless terminal is available, [[and]]

determining whether the wireless terminal has a voice messaging system in response to determining that the wireless terminal is available;

determining if a calling party number matches a subscriber wireless number, wherein a directory number for the wireless terminal is stored at a service control point; and

determining if the subscriber currently has the simultaneous ring service activated;

placing a first outgoing communication and a second outgoing ecommunications communication when both the wired terminal and the wireless terminal are available, wherein the first outgoing communication comprises a wireless call indication digit appended to the first identifier, the wireless call indication digit indicating that the first

outgoing call is to be routed via a second identifier associated with the wireless terminal,
wherein the second identifier is not initially available, and wherein the wireless call
indication digit is operative to trigger a query to an associated database for the second
identifier.

wherein placing the first and second outgoing communications includes
placing the first outgoing communication a predetermined time period before
placing the second outgoing communication and associating a wireless call-
indication digit with the first outgoing communication,

wherein the predetermined time period is configured to cause the wired
terminal and the wireless terminal to begin ringing within 3 seconds of each
other, and

wherein, if the wireless terminal is determined to have the voice
messaging system, the predetermined time period is configured for placing the
second outgoing communication before the first outgoing communication is
answered by the voice messaging system;
routing the second outgoing communication to the wired terminal;
detecting a second terminating trigger and the wireless call indication digit
associated with the wireless terminal in response to the first outgoing communication;
and

routing, in response to detection of the second terminating trigger and the
wireless call indication digit, the first communication to the wireless terminal.

27. (Previously Presented) The computer readable medium of claim 26, the method further comprising:

connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and

connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

28. (Previously Presented) The computer readable medium of claim 27, the method further comprising:

dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and

dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

29. (Cancelled)

30. (Previously Presented) The computer readable medium of claim 26, wherein the first identifier comprises at least a first telephone number and wherein the second identifier comprises at least a second telephone number that is different from the at least a first telephone number.

31. (Previously Presented) The system of claim 1, wherein the first identifier comprises at least a first telephone number and wherein the second identifier comprises at least a second telephone number that is different from the at least a first telephone number.

32. (Previously Presented) The method of claim 10, wherein the first identifier comprises at least a first telephone number and wherein the second identifier comprises at least a second telephone number that is different from the at least a first telephone number.

33. (Previously Presented) The system of claim 18, wherein the first identifier comprises at least a first telephone number and wherein the second identifier comprises at least a second telephone number that is different from the at least a first telephone number.